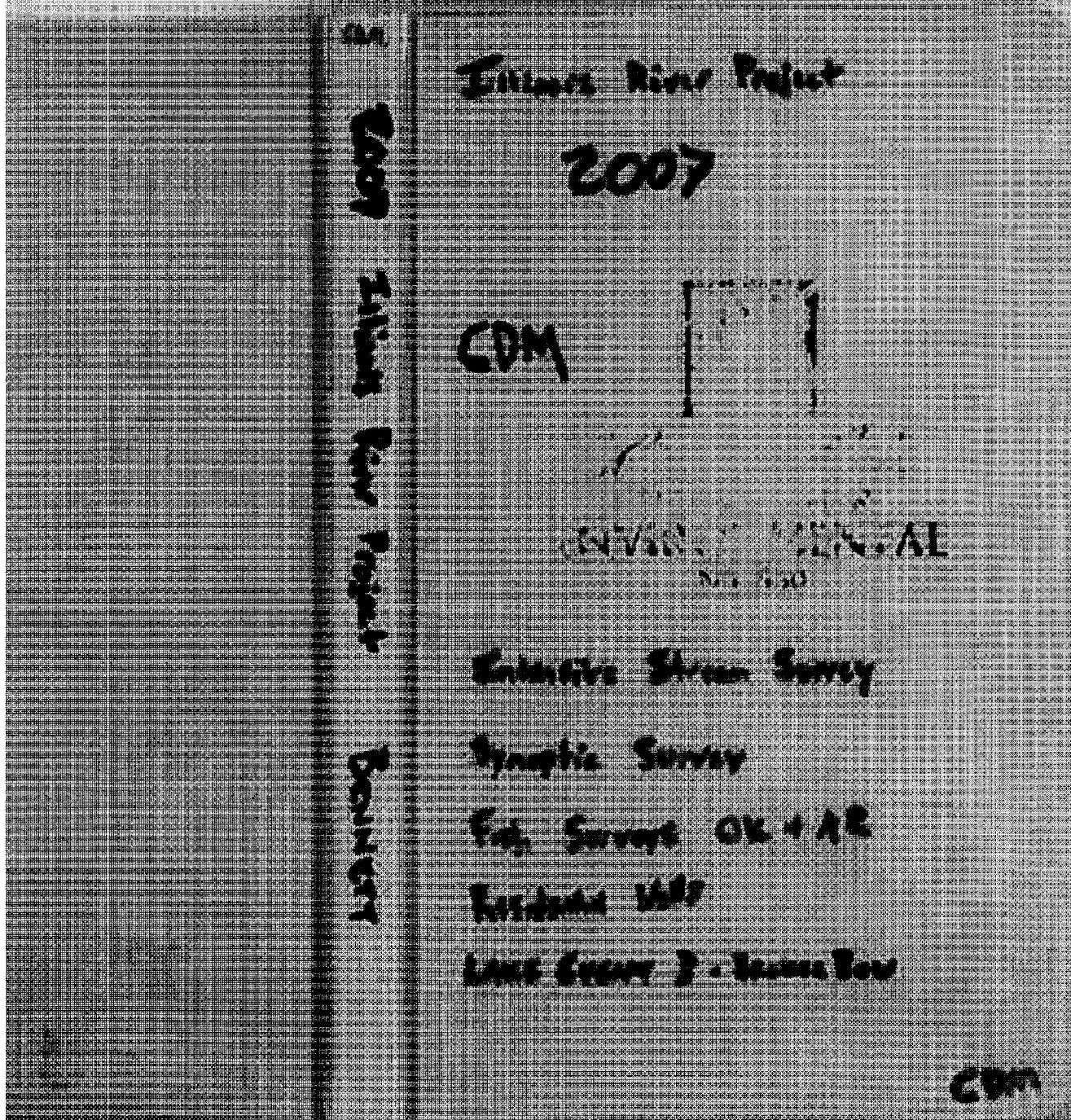


## EXHIBIT A-1



Brown Form 246  
QIG 601 C128  
Liquor & Lock Co.  
May 2004 4812



*All in the Rain*  
ALL-WEATHER WRITING PAPER

## ENVIRONMENTAL FIELD BOOK

Name: C. DM  
Attn: Brian Bennett  
Address: 1000 N. Industrial Blvd., Suite 100  
Phone: (316) 234-8312

Project: Tulsa's Rain-Safe School Project #2327

This book is printed on "Rite in the Rain" All-Weather Writing Paper. A paper type designed to hold water and withstand the sun's heat. It is designed through the use of fine, rugged, critical field data in all types of weather. The best results are a priority in all weather paper.

Page Number	Page Content	Page Options
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2  
Location: 3.8Km

Date: 4-10-07

Location: 3.RK

Flight Club Internat'l Hwy - Between 5 & 7.5 Km  
BS-625. - (Samples collected)OSR: On site BS-625 & Hwy between 5 & 7.5 Km.  
Cross Roads w/ Brian Bennett, Stephen Smith, Robin Johnson  
Flight Club Internat'l Hwy - Between 5 & 7.5 Km.  
BS-625. - (Samples collected)BS-625. - (Samples collected) 4°F lower than air temp.  
Wind: NNE - 10-15 mph (upwind/leeward)Note: Additional data requested: Geologic sketch.  
Photo includes: NNE, Weather, rock, litho,  
Waves, tides, photos and additional like notes.

OSR: Sample line BS-625-09005-03. To 125m P

PMS: Sample line BS-625-09005-03. To 125m P  
Temp: Sample line BS-625-09005-03. To 125m POSR: Sample line BS-625-09005-03. To 125m P  
Diss: Dissolved oxygen: 6.0 mg/l (Cyan.)Diss: Dissolved oxygen: 6.0 mg/l (Cyan.)  
Chloride: 0.0 mg/l (Cyan.)Temp: 12°C  
pH: 8.5Conductivity: 1000 µmho/cm  
Dissolved oxygen: 6.0 mg/l

Turbidity: 0.0 NTU

DO: Dissolved oxygen: 6.0 mg/l (Cyan.)

OSR: Sample line BS-625-09005-03. To 125m P  
ID: Composite from BS-625-09005-03. To 125m P  
Samples - volumes: 1000 ml, 1000 ml, 1000 ml  
OSR: Sample line BS-625-09005-03. To 125m P  
Microbiological: 3 bacteria colonies? for bacteria  
Bait intervals x 1m2 for each kick netting  
• Fresh Chrysophyta species completed ring  
• Colony diameter: 0.6 / 50 m² P.M. ac. is  
area to sample.  
• Phaeocystis preserved in Imperial alkali 70%  
1100: light color of sight - presents with green algae  
1140: All rocks scraping complete; pick up vehicle  
1165: article BS-625-09005-03. To 125m P  
1170: light color, Sulfate  
1175: articles: (36 12761, - 44 64514) w/ soft new as  
phosphate - 1055012 4' off down / Sulfate  
1180: In ph. line, all samples collected and soils:  
1185-120: Collected - Photobiont 125ml  
BS-625-09005-03: P 125 ml  
- BS-625-09005-03: Sulfate Chlorine 1 x 1L  
BS-625-09005-03: Sulfate Chlorine 1 x 1L  
BS-625-09005-03: Phosphate 1 x 1L  
C. A. T.



Date, 6/26/08  
Location, KS  
Site ID, KS 902  
Project Leader, Sam Smith  
Project Name, Sam Smith  
RS MI (Benton), BS MFD

Cover c. site (KS 902) to collect bacteria  
Site, Hwy 161, Hwy 161, Hwy 161, Hwy 161  
Weather, Sunny, 55°F, Sun up, P, Windy, 10-15  
Coordinates, (36.6790, -94.6721)  
Winds, WNW, 10-15 mph, SW, 10-15 mph, N  
Report Sample time t, All samples at this site  
RS, Site, Other - east northeast, NW, 2.4 mi west to the  
RS, Site, Other - west northwest, P  
RS, Site, Other - through NW-SSE SSW-NS - P, NW-SSE  
RS, Site, Other - surface changes, few brittle sediment  
RS, Relative elevation (just off highway 161) 400  
Temp, 61°F  
Relativity = 161.5, 0.37 miles  
Altitude, 81

Distance dipper = 86.9 ft  
Relativity = 161.5, 0.37 miles  
Altitude, 81

Site is a little bottom ridge and is very rocky with  
a lot of rock - bedrock is exposed and some fine  
material around like  
1600' alluvium, sand, and collected from  
dry spring soil comprising 10% for Periphyton ID  
1600' Equipment picked up white LSS 536  
1615' Creek (RS 902) First Creek to be measured  
Bottom, Sandy, sand, clay, Clos. same as KSS 902  
Coordinates, Site E 161.5, -94.6755, (30-4)  
Photos, 161.5, same as KSS 902

1600' Sample line for all samples collected at RS 902  
BS, Soil moisture, 10-15%  
RS, Soil moisture, 11-12%  
Promoter measured at a kilometer south, 100%  
Temp = 13.0°C  
Latitude, 336.65  
Depth, 11.9 m  
1600' All rocks broken, broken, angular, broken  
Angular, 1600' A mile below the highway 161  
in elevation 1D.

1615' Soil sample, angular, white, off-white  
1615' Castle (BS 902) to collect surface samples  
Cone abr., (36.20131, -94.66487) 300 ft  
Cone numbers same as 1615 902  
Photos, 161.5, 536 → 161.5, 536  
Hypothetical Pseudocell measured:  
Temp = 14.8°C  
RH = 8.33  
Cond. = 157.5  
DO = 13.6 mg/l  
Turbidity = 0 NTU  
1640' Bottom trawl and rock collection

8

Date: 7/11/07

Location: TRW

Address: 2000 University Street - Seattle, Spruce Ave

RS 421 (cont.) RS 421

(1560) Sample line for all samples collected at site.

RS-HEDT-CR1102 = 1 x 1L Sodium, 2x 1L TCE.RS-HEDT-CR1102 = 1 x 125ml PhosphateRS-HEDT-CR1102 = 1 x 125ml Phosphate + 5% sulfuric acid.RS-HEDT-CR1102 = 1 x 1L Acetone, 1 x 1L Propylene

1570 500 ml stainless steel container, plastic bags complete.

Inferred over last 45 years

1545 signs piping equipment, fittings, 6S HEDT &amp; 1550

Hedt ch<sup>+</sup> site (RS 421) to my, infestation station.

Sticker: Inferred site, about 60' F

Note → Piggy over his installed never a "No Discharging" signs  
and we will attempt to review the other side of the  
station, and avoid crossing property line.  
Coordinates: (36.49376, -94.70288) 92 ft

Photos:

RS 421. Total distance measured:

Temp: 19.1°C pH: 8.13

Conductivity: 301 uS DO: 16.2 mg/L Turbidity: 0 NTU

1640. Begin stream transects

1640. Sample line for all samples at sole

RS 421-CR1102 = 1 x 1L Sodium, 2 x 1L TCE, 1 x 1L PhosphateRS 421-CR1102 = 1 x 125ml PhosphateRS 421-CR1102 = 1 x 125ml Phosphate + 5% sulfuric acid.RS 421-CR1102 = 250ml Propylene complete 1/2L each batch.

1645

1650

1655

1660

10 location T&amp;W Date 7/1/07

Tulsa, Okla. State Fire Marshal's Office  
RS. 402. RS. 251

0850. Inside RS 402 is located Oklahoma Security.  
 Crew members: Bennett, Nichols, Smith  
 Weather: Very 50°F, light breeze  
 Coordinates: (45.9653, -94.2145) 50' e.  
 Photos: 165.5826 — 100.5588 in location measured.  
 Eng. Tulsa City Police Notes, found after  
 and over the Dis (Administrative) notes.
0855. Field activities measured:
- |                                |              |               |
|--------------------------------|--------------|---------------|
| Map: 147.                      | Date: 6/1/07 | Location: 101 |
| Coordinates: 45.9653, -94.2145 |              |               |
- Visibility: 100' 0856. Sign shown throughout work area taken. No direction.  
 0857. Sign Not able to find it on the hill. Just  
 made using the notebook.  
 0858. Sign has no "apple" or "A" logo.  
 0859. Located on the ground outside 10.0 distance  
 SS. 402. Approx. 1/16. Thompson  
 0860. Located right across from 0858. Same height  
 0861. Sign placed on the hill. 6.0 distance  
 0862. Sign placed on the hill. 6.0 distance  
 0863. Located 10.0 distance from 0858.
0850. Located RS 402 (cont'd) is west of 0858. 100' distance  
 Weather: Very 50°F, light breeze  
 Coordinates: (45.9653, -94.2145) 50' e.  
 Photos: 165.5826 — 100.5588 in location measured.
0855. Field activities measured:
- |                                |              |
|--------------------------------|--------------|
| Map: 128 C                     | Date: 6/1/07 |
| Coordinates: 45.9653, -94.2145 |              |
- Visibility: 100' 0856. Sign placed on the hill. 6.0 distance  
 Weather: Very 50°F, light breeze  
 Coordinates: (45.9653, -94.2145) 50' e.  
 Photos: 165.5826 — 100.5588 in location measured.

P 12 100-300 TRM Date 9/1/07 Location R.R.  
 Population 1,000,000 Sample Survey  
 US 1000 (cont), RS 100  
  
 1500. Sample from L. at mouth of BS. Atfe.  
 BS were still very thin, 1-2 mm. with some larger  
 BS. More visible, esp. 1000' offshore.  
 BS were off shore, 100' below water surface.  
 Notes: A small cluster of large embankments with  
 several smaller banks at 100' below water surface.  
 Sample with some fine, granular material in sand patches.  
 1515. All sample w/ plenty white material  
 1520. Atfe BS. H.C.L.  
  
 " 3) Unlike BS, no sand & marine survey.  
 Mother - S. of 100', same line as above  
 Coordinates: (35.31603, -94.9475) + 10ft  
 There's a great deal of sand & substrate  
 1535. Full with "sand" material.  
 Temp: 16.6°C pH: 9.09  
 Conductivity: 272 uS. Diss. oxygen  
 Turbidity: 0.15 NTU  
 Note: Site occupied by a big marshy area  
 1540. Benthic survey, bottom soft mud  
 [Note] sample from bottom, soft mud  
 BS. Bottom condition soft, bottom, 100' off bottom  
 BS 100' offshore  
 BS 100' offshore

S. Second basin 80

26

11-14 Lanes T.R.W Date 7/13/07

Professor in Laffer, Sorenson Survey

RS - 312.

Lan. 10m TRW

Date 7/13/07

From (1) 10m Tattered Stream Survey

(1) 3800' North RS 312 to be started survey  
 Team members: Rennell, Sorenson, Johnson,  
 Johnson, Clark, Sorenson - Surveyor for thalweg stream  
 Coordinates: NL 15490, E 94 43480;  
 Pointers: N.E. 5543 to N.E. 5547 on Upcut Substrate / Dam  
 10820 - People asked stopped by end was expect about  
 us standing on property. Said if would have been dropped in  
 we asked for survey, but since we didn't he was  
 go. To make it an issue it be never discussed  
 10820 to leave, so we continue, resupply while resupply  
 propane tank.

10830: Continued to do same at 10830, but after 10830  
 believed talk to people up stream, in particular Sorenson  
 who claimed all the best that someone else were  
 could do is high water, the one that concerned with  
 transportation issues  
 10840: Talk like previous issues. A:

Temp: 11.0°C pH: 7.7  
 Conductivity: 666.5 DC: 8.5 m.u.  
 Dissolved O<sub>2</sub>: 6.8 mg/l  
 Water: 50% surface water + 50% ground water  
 S.D. 0.1366. Tidal flat. Telephone  
 RS 312 - 0.007-1 North RS 312 - 0.007-3 - 5 km from other play  
 RS 312 - 0.1367 - 1.0230 - 1 km west for broken ID  
 RS - 312 - 0.1367 -

15

From (2) 10m Tattered Stream Survey

Date 7/13/07

From (3) 10m Tattered Stream Survey

Date 7/13/07

From (4) 10m Tattered Stream Survey

Date 7/13/07

From (5) 10m Tattered Stream Survey

Date 7/13/07

From (6) 10m Tattered Stream Survey

Date 7/13/07

From (7) 10m Tattered Stream Survey

Date 7/13/07

From (8) 10m Tattered Stream Survey

Date 7/13/07

From (9) 10m Tattered Stream Survey

Date 7/13/07

From (10) 10m Tattered Stream Survey

Date 7/13/07

From (11) 10m Tattered Stream Survey

Date 7/13/07

From (12) 10m Tattered Stream Survey

Date 7/13/07

From (13) 10m Tattered Stream Survey

Date 7/13/07

From (14) 10m Tattered Stream Survey

Date 7/13/07

From (15) 10m Tattered Stream Survey

Date 7/13/07

From (16) 10m Tattered Stream Survey

Date 7/13/07

From (17) 10m Tattered Stream Survey

Date 7/13/07

16

16

Nature Test.

West Side Lake + River Sampling

Water Test

Date 4/13/02

Location TRKie

Date 4/13/02

Project Client Name : Project / Job Number : Job No. 16

(190) - West Side Lake + River Sampling  
Cannisters - Black Knob, Tioga Co., PA  
Bottoms: River shores, 42° F., surface  
1800' - On side, sand rocks on creek  
from Coal, water salt flavor, very turbid

1815 - Sample River (West Side - 0.5 miles  
- 2 - 1/2 miles + 1/2 miles further

\* Water sample taken at 25572, 638  
\* Lowest turbidity on all three locations  
\* Coordinates: (36.02522, -94.9911)

\* 3 photos taken:  
1816 - Photo East Side  
1817 - Photo East - just south of 1816.  
still cloudy, very turbid - decide to sample

1818 - Sample from 1817 location  
- 2 - Photos - 1/2 miles further  
Coordinates: (36.02543, -94.9883)

2 photos taken:

1817 - Photo East 2.5 mi  
1819 - Photo by car 2.5 mi. water as sample  
1820 - Photo by car 2.5 mi. water  
1820 - D. in by car 2.5 mi. - No contact  
Loc. Rock cutters - ship in Tulsa.

1815 - In the 6.5' area to check for ecology and  
to see if there's some kind of life, Robin Johnson  
brought. Gave out, 46°F.

\* Shores is slightly deeper, not very turbulent and  
at 1800' or 1850' or 1900'

1816 - Photo 6.5' - 1815  
Shores is up much - had to go down a lot  
in it in the morning before we began  
the bio investigation. This is still somewhat  
turbid, but water is clear so that makes it hard  
to take, only has some sediment on top which is  
mostly mud, sand, gravel, and rock, a few shells.

1815 - Photo 1815  
Photo East Side - 1/2 miles away from slightly turbid  
location where we were sampling on the opposite  
side of the river at approximately 1/2 mile  
1815 - Photo 1815

Photo - Photo 1816 - Photo back to 1815 + 1/2 miles  
Photo - 1816 - 1/2 miles away from elevated water and a  
little more turbid than the substrate in the  
water is turbid, stream not very turbid  
1815 - Photo 1815 101  
Photo - back 1816 - Stream is very turbid but the water  
is not very turbid

18 Location TBL Date 4/15/07  
 Project Client Arkansas Society  
RS 795

19 Location TBL Date 4/15/07

Project Client Arkansas Society

1080 - On site RS 795 to conduct in basin, inc. sampling.	1085 - On site RS 394. Collected creek is so acidic stream sampling. Some areas are better.
Crew members: Brian Bennett, Nathan Smith, Robin Johnson.	Weather: Sunny 55°F
Weather: Sunny 40°F, no clouds or forecast today.	Coordinates = (35.97910, -94.49951) 23°F
Site is very sketchy. Has been built up to fence line. There is some long grass.	Photos: Possible human. Yellowish/brownish stuff sample
0820 - Site. We parameters collected.	0820 - Field 100 parameters recorded:
Turb 12.5°C pH = 6.46 DO = 9.2 mg/L	Temp = 9.8°C pH = 8.12 DO = 15.0 mg/L
Electivity = 172.948 Total DTP = 2.27 mg/L	Conductivity = 215 mS
Coordinates: 35.97910, -94.49953) 38.04	Site on banks. Started 100 samples collected at site.
Photos = 10853 - Reg. 8885 Downstream site.	RS 394 - 04/15/02 = 11 man rods, 12 satire after, 20 water.
Note - Down to shadiness of marsh only 2 paper discarded	RS 394 - 04/15/02 - 25 394, 04/15/02 - 18/18551 - Plastics
samples were collected, one by bridge/estuary	RS 394 - 04/15/02 - 25 394, 04/15/02 - 5 bullet shells
along fence 25 rods and downstream were	RS 394 - 04/15/02 - 6% man rods from 5 bottles. Plastic TD
collected in an upstream direction in the creek.	Note - Bottles discarded upstream made reading unreliable.
1085 - Sample line for all samples collected at RS 795	Substrate difficult, may lead to under estimate of historic debris
RS 795 - 04/15/02 - thermometer 2.00, 1.00, 0.50 in above	increased because bottles were about 1/4" around a sandbar.
08-795 04/15/02 - 1 x 125 ml plastic cup	Only areas where these types were found.
RS 795 - 04/15/02 - High RS 795 - 04/15/02 - 5 = plastic debris	parts of bottles, bottle tops and a bottle K-Cup lids collected
1 RS 795 - C 04/15/02 - C grade 10x .5 particle 6.5 stem 10.	Plastic 4.0% C substrate second by latest stream level
04/13/02 - All samples collected - truck vehicle	increase.
04/15 - Sampling complete, load vehicle	1230 - All samples collected - truck vehicle
04/15 - C 04/15/02 RS 795.	1035 - off site RS 394
1045 - Back at hotel to pick up charts and bottles	38

20 Location TRW  
Project Control Station Survey  
RS. 225

- 1 1400 - On site RS 225 to collect station sample.  
Mother: Sunny, bright, bright haze.  
C. W. Smith, J. Hansen  
Controlled: 33.85935, -94.43774; 10.6  
Barometric pressure: 101.00000 ft.  
Site: Stream bed: slightly disturbed. Site comparable to stream and  
meadowed slopes growth in most areas of difference.  
to previous site until 3 weeks ago. Now here:  
Same elevation as listed above.
- 1 1415. Begin stream bed measurement  
Temp: 13.8°C. Rel: 78.4 Bar: 1010.000 ft.  
Elevation: 242.5 Velocity: 1.72 m/s  
1415 Right bank  
1415 more time for a sample collected at site.  
1415 0150? H. Hansen is, it appears to be 1415  
RS 225 0150? All samples collected were 1415  
1415 0150? All samples collected were 1415  
1415. All samples collected were 1415  
1415 right of headcut. While 1415 was to the left of stream  
was solar, sun was not very bright.  
Davis argues earliest in the morning prior to 1415 up the  
stream from  
1415 right in RS 225.

Location TRW	Project Control Station Survey	RS. 225	Date 06/27/08	Time 07:30 AM
RS 225				
1400 - On site RS 225 to collect station sample.				
Mother: Sunny, bright, bright haze.				
C. W. Smith, J. Hansen				
Controlled: 33.85935, -94.43774; 10.6				
Barometric pressure: 101.00000 ft.				
Site: Stream bed: slightly disturbed. Site comparable to stream and meadowed slopes growth in most areas of difference.				
to previous site until 3 weeks ago. Now here:				
Same elevation as listed above.				
1415. Begin stream bed measurement				
Temp: 13.8°C. Rel: 78.4 Bar: 1010.000 ft.				
Elevation: 242.5 Velocity: 1.72 m/s				
1415 Right bank				
1415 more time for a sample collected at site.				
1415 0150? H. Hansen is, it appears to be 1415				
RS 225 0150? All samples collected were 1415				
1415 0150? All samples collected were 1415				
1415 right of headcut. While 1415 was to the left of stream was solar, sun was not very bright.				
Davis argues earliest in the morning prior to 1415 up the stream from				
1415 right in RS 225.				

23

Date: 6/26/08

Project: 3rd and 1/2 Ave N. San Survey

SS: 68

1865 - begin site boundaries as indicated

Cap. 15' S. 1st Rd. 710' S. 20' W. S. 1st

C. 100'. D. 100' T. 100' N. 100'

1865. Survey 4.000' southward

1830. Sample line 2nd and 3rd st. site.

1865. C. 100'. D. 100'. W. 100'. E. 100'. N. 100'. S. 100'.

1865. C. 100'. D. 100'. W. 100'. E. 100'. N. 100'.

1865. C. 100'. D. 100'. W. 100'. E. 100'. N. 100'.

1865. All 4 roads complete from each building site.

1865. C. 100'. D. 100'. W. 100'. E. 100'. N. 100'.

1865. C. 100'. D. 100'. W. 100'. E. 100'. N. 100'.

1865. C. 100'. D. 100'. W. 100'. E. 100'. N. 100'.

1865. C. 100'. D. 100'. W. 100'. E. 100'. N. 100'.

1865. C. 100'. D. 100'. W. 100'. E. 100'. N. 100'.

1865. C. 100'. D. 100'. W. 100'. E. 100'. N. 100'.

1865. C. 100'. D. 100'. W. 100'. E. 100'. N. 100'.

1865. C. 100'. D. 100'. W. 100'. E. 100'. N. 100'.

1865. C. 100'. D. 100'. W. 100'. E. 100'. N. 100'.

1865. C. 100'. D. 100'. W. 100'. E. 100'. N. 100'.

1865. C. 100'. D. 100'. W. 100'. E. 100'. N. 100'.

1865. C. 100'. D. 100'. W. 100'. E. 100'. N. 100'.

1865. C. 100'. D. 100'. W. 100'. E. 100'. N. 100'.

1865. C. 100'. D. 100'. W. 100'. E. 100'. N. 100'.

1865. C. 100'. D. 100'. W. 100'. E. 100'. N. 100'.

MB

24 Between TRW  
Project Control - T-1000 - Geophysics  
12:00 AM 06/27/07 RS 336

- Crossed 1st stream, 100 ft upstream of bridge.  
- Water level at 1' above bridge.  
- Water level at 1' above bridge.  
- Sampled 1st stream, 100 ft upstream of bridge.  
- Sampled 1st stream, 100 ft upstream of bridge.  
- Sampled 1st stream, 100 ft upstream of bridge.

1120 - Other staff has left site - Bechtel, Smith, Johnson remain.  
1125 - Begin stream transects, rock collection.

[1200] - Sample line for all samples at RS 336.

RS 336 - 041607 - 16 transects, 16 stations, 2400 ft long.  
RS 336 - 041607 - 125m1 phosphorus, 125m2 phosphorus.

RS 336 - 041607 - 16 transects, 16 stations, 2400 ft long.  
RS 336 - 041607 - 10% sample for each transect collected.

1300 - All sampling complete leave vehicle.

1310 - Offsite RS 336.

1430 - Onsite RS 336 to conduct intensive survey.

Water: 75°F, many  
Cross members: Bechtel, Smith, Johnson  
Coordinates: 32.1903N, 94.52584W (water)  
Photos: 060-5850 - 060-5853 Site photos

1440 - Field water parameters measured:  
Temp = 18.7°C  
pH = 7.35  
Conductivity = 213.3  
Transparency = 16.7 m

[1500] - Sample line for all samples at RS 336.

RS 336 - 041607 - 16 transects, 16 stations, 2400 ft long.  
RS 336 - 041607 - 125m1 phosphorus, 125m2 phosphorus.

RS 336 - 041607 - 16 transects, 16 stations, 2400 ft long.  
RS 336 - 041607 - 10% sample for station 10.

1600 - All transects completed, samples collected.  
RS 336 offsite.

10:00 AM 06/27/07 RS 336

Project Control - T-1000 - Geophysics

11:00 AM 06/27/07 RS 336

1120 - Other staff has left site - Bechtel, Smith, Johnson remain.

1125 - Begin stream transects, rock collection.

[1200] - Sample line for all samples at RS 336.

RS 336 - 041607 - 16 transects, 16 stations, 2400 ft long.  
RS 336 - 041607 - 125m1 phosphorus, 125m2 phosphorus.

RS 336 - 041607 - 16 transects, 16 stations, 2400 ft long.  
RS 336 - 041607 - 10% sample for station 10.

1300 - All sampling complete leave vehicle.

1310 - Offsite RS 336.

1430 - Onsite RS 336 to conduct intensive survey.

Water: 75°F, many  
Cross members: Bechtel, Smith, Johnson  
Coordinates: 32.1903N, 94.52584W (water)  
Photos: 060-5850 - 060-5853 Site photos

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RS 336 - 041607 - 16 transects, 16 stations, 2400 ft long.  
RS 336 - 041607 - 10% sample for station 10.

1600 - All transects completed, samples collected.  
RS 336 offsite.

26

Location: Laramie

Project/Client: J&amp;J Logistics

RS - Take J &amp; RS - take J

17/05/05 - RS - takes J - think he's steering and  
is probably best supplying him. System is up and up.  
Floor 2 - 3 - 4 - should be in touch to hire. Problems still  
visible on many of the other areas - want to take  
account in addressed.

18/05 - Laramie from 16065.

18/05 - On with RS - doesn't seem to be significantly higher  
through this meeting than previous. Between  
sample - while is a simple probably not sample able  
for several days or weeks, depending upon take  
rain events. Photo. No sign on the 18065.

18/05 - On with RS - 1000ft. He's in hotel

Date: 17/05/05

Location: J&amp;J Log

Project/Client: J&amp;J Logistics

(C, J, L, R, S, T, U)

OBJS - Can we K/S, C/W, etc? Please advise. I do not  
know much about Project. See the Staff  
Meeting May 25<sup>th</sup>.  
Date: 18/05  
Time: 08:00 AM  
Place: J&J Log

Meeting agenda to be held after 16065.  
No one seems to be in touch with us.  
We are awaiting update details after completion  
of the take over, interim, interim!

18/05 - 10:00 AM - 17/05  
Chairman: SCSAS - Availability: 9/25 and  
the day before. We're talking about the 1st.  
Very important meeting

18/05 - Sample Photo. RS 16065

RS 1605 - Euro Log. It does not fit into our 2,000 ft/sec  
MS 2,000 ft/sec. It's a different project so SCSAS, SCSA, SCSA  
etc. SCSA, SCSA, SCSA, SCSA, SCSA, SCSA, SCSA,  
etc. for the various roads we've taken because  
depth 1 foot is good. So there is nothing more to  
work on. And the photo SCSAS, SCSA, SCSA, SCSA, SCSA  
etc. etc. etc.

18/05 - Will sample continue, etc. SCSA, SCSA, SCSA  
etc. etc. etc.

29

Date: 9/1/07

Location: E. 2nd

D.A.: 4/17/07

28

Project Name: Shallow Survey

RJ 47

Loc. On site RV. 97 L. in line of intended stream  
Survey. Stream level square to be moved

Width: Daily ch. 150ft

Inn Number: Smith, Inn, Johnson

Card Number: 34.32381, -94.27227 loc.

Photos &amp; Photo notes included.

No. Stream parameters measured:

Temp: 17.5°C pH: 7.5

Colorimetry: 15 ppm Turbidity: 15 NTU

H.S. Beam travels straight downstream of road crossing.

[200] Sample took at midpoint outside of stream channel. It was a black, crushed rock.

R.S. No. 100% of current thought to

be from a single stream. S. Shallow lithology H.S.

S. S. 90% of the ground surface has the lithology H.S.

This will mean a large sample volume of rock.

Loc. In photo. C. 100 ft. N.E.

R.S. No. 100% of current thought to

be from a single stream. S. Shallow lithology H.S.

S. S. 90% of the ground surface has the lithology H.S.

This will mean a large sample volume of rock.

Loc. In photo. C. 100 ft. N.E.

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be from a single stream. S. Shallow lithology H.S.

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This will mean a large sample volume of rock.

Loc. In photo. C. 100 ft. N.E.

R.S. No. 100% of current thought to

be from a single stream. S. Shallow lithology H.S.

S. S. 90% of the ground surface has the lithology H.S.

This will mean a large sample volume of rock.

10

Location IRW -

Project / Client Supercific Sampling

Date 4/24/01

objkt/chem

Supercific Sampling

Date 4/24/01

objkt/chem

Supercific Sampling

0745 a. site tributary of Sugar Creek, Plan to walk 0.4 miles to TP for phosphorus samples and stream gauging  
 Crew: Brian Bennett, Chris Leitao  
 Weather: Sunny 65°F, chance of T-sheets today  
 OSR: On site conference w/ trib and Super Creek  
 approx 0.3 miles downstream of WEFIP  
 (36 14253, -94.5 37112) 26 ft  
 Calf satire SN-SGR - Drill

2 photos = 160-3241, 160-3242 up/down  
 Water temp = 18.7°C.  
 Stream gauge measurements: width = 12.3 ft

LB	Vel	2	3	4	5	6	7	8	9	10	11	12
Depth	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
ft	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

0745. Sample from SN-SGR - 2 x 125ml P  
 Collected with 3 sample composite across width of stream  
 0745. Offsite SN-SGR - Drill - continue upstream  
 0830 On site Sugar Creek at WEFIP - take sample  
 approx 100m below cutfall from plant.  
 (36 14355, -94.5 36148) 20 ft  
 & strong odor of sulfur at site.

LB	Vel	2	3	4	5	6	7	8	9	10	11	12
Depth	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
ft	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

0830. Sample from SN-SGR - 2 x 125ml P  
 Offsite - Walk back to car  
 0930 On site Super creek at Beaver Springs Rd.  
 (36 14351, -94.5 35352) 13 Pt - Collect P from bridge  
 Photo - 32445, 32446 temp ~ 18.8°C  
 0930 - Single Hole SN-SGR - DN2: 2 x 125ml P from  
 3 conf sides across stream  
 0930 offsite SN-SGR - DN2

3022 - water + River  
2000' Gage Significant Sampling

4/27/07

Water Test

Sampled

Significant Sampling

QHAC: On site PLS. Used to collect composite P & samples across width composite rate 2-125 ft.  
10455. Sample from 150' to 300' from riverbank.  
Loc: C.H. & R.R. 10001 (36 10 17, -96 60 50.5)  
Loc: 0. site. Site down gradient of U.S.D.P. is about P and pipe (36 10 55, -96 60 56) 134 ft.  
Site downstream of river bottom 6.5 miles down  
the White River (approx.)

Flow	Stration (ft)	Velocity (ft/s)	Width	Depth	Velocity
0.4	0.85	1.56	16.15	0.4	0.14
0.2	0.60	1.87	0.70	0.4	0.33
0.3	1.50	0.7	0.2	0.3	0.15
0.2	0.60	1.87	0.70	0.4	0.33
0.5	0.24	-	-	0.9	0.11

55 \* Strong wind blowing from south west at 10 ft. on half of sample time SSW. Current direction was SSW.

1050. Sample time 3217, 3256. Pow. / Up  
1050. Sample time 3217, 3256. Pow. / Up  
5 samples combined across stream width.  
1050. Composite 3217, 3256.

1100. Current 10 sec to collect P in pipe  
Loc: 0. site (36 10 55, -96 60 56) 134 ft.  
Width: 125 ft  
Loc: Sample line (36 10 55, -96 60 56) 134 ft.  
Loc: Current 15 sec to collect P

\* Note: Sample from 150' to 300' from riverbank.  
1125. 0. site. Current collected 10 sec.  
1150. Current collected 10 sec. Wind blowing from SSW. Current 10 sec to collect P in pipe  
1155. Current collected 10 sec. Wind blowing from SSW. Current 10 sec to collect P in pipe  
1200. Sample line (36 10 55, -96 60 56) 134 ft.  
Loc: Current 15 sec to collect P

\* Note: Sample from 150' to 300' from riverbank.  
1125. 0. site. Current collected 10 sec.  
1150. Current collected 10 sec. Wind blowing from SSW. Current 10 sec to collect P in pipe  
1155. Current collected 10 sec. Wind blowing from SSW. Current 10 sec to collect P in pipe  
1200. Sample line (36 10 55, -96 60 56) 134 ft.  
Loc: Current 15 sec to collect P

\* Note: Sample from 150' to 300' from riverbank.  
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1200. Sample line (36 10 55, -96 60 56) 134 ft.  
Loc: Current 15 sec to collect P

\* Note: Sample from 150' to 300' from riverbank.  
1125. 0. site. Current collected 10 sec.  
1150. Current collected 10 sec. Wind blowing from SSW. Current 10 sec to collect P in pipe  
1155. Current collected 10 sec. Wind blowing from SSW. Current 10 sec to collect P in pipe  
1200. Sample line (36 10 55, -96 60 56) 134 ft.  
Loc: Current 15 sec to collect P

55

34 Location 544 Date 4/24/07

## Project/Client Sample - Synoptic

Wet sample was run in "posterior" w/ "A"  
RPM: 6000, max depth: max  
which = 16.6

#	Depth (ft)	Velocity (ft)	Depth (ft)	Velocity (ft)
1	0.2	0.25	6	0.5
2	0.5	0.51	7	0.5
3	0.25	0.5	8	0.5
4	1.1	0.6		
5	0.2	0.65		

Upstream reach & the narrowing less pronounced around

Photos: 3250, 3251, 3252, 3253

[325]. Sample time (SN-CANL-CP1) 2x 125ml  
on the Cherry Creek @ Stillwell Dam Rd.  
1/330. On side RS to collect P.  
coordinates: (SS 855224, -94.61833) 2501

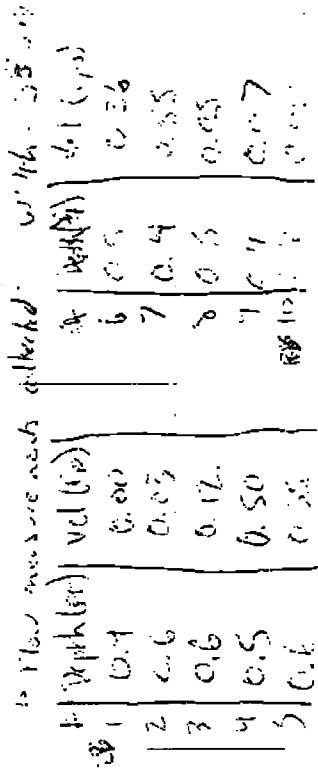
Photos: 3254, 3255, 3256, 3257, 3258, 3259  
[325] Sample time (SN-CANL-CP1) 2x 125ml  
1/331. On side RS: 105

1/332. On side RS: 105  
1/333. On side Cherry Creek at C-SES. RS to collect P  
[325]. Sample time (SN-CANL-CP1) 2x 125ml  
coordinates: (SS 855224, -94.61833) 2501  
hours = 3260 - 3261 Davis/US

1/334. On side Cherry Creek  
1/335. On side RS: 245.10 collect synoptic samples  
hours = (SS 855224, -94.61828) 2501  
weather: scattered showers, cloudy 70%

Project/Client Sample - Synoptic

Wet sample (RS, no vnl [or zeta]) or "A"  
1520 - Max. depth: 3260 ft. Max. D.



[1530]. Sample time (SN-CANL-CP1) 2x 125ml  
# Ekman current at point 6 on initial

1/335. At side RS: 2501

spillway of what is to become stream channel  
"post" flood is about 1000  
1/336. Failed to collect either side pulled up behind me. At  
1/337. At side RS: 105

1/338. On side RS: 105

1/339. On side Cherry Creek at C-SES. RS to collect P  
[325]. Sample time (SN-CANL-CP1) 2x 125ml  
coordinates: (SS 855224, -94.61833) 2501  
hours = 3260 - 3261 Davis/US

1/340. On side Cherry Creek  
1/341. At side RS: 245.10 collect synoptic samples  
hours = (SS 855224, -94.61828) 2501  
weather: scattered showers, cloudy 70%

36 October 1980

## Subject: Specific Questions

to witness

Witness: Specific questions concerning the "A" sample were submitted by Mr. [REDACTED] on 29/5/80.

Depth (m)	Vol (%)	Depth (m)	Vol (%)
0	50	10	50
10	40	20	33
20	33	30	25
30	25	40	17
40	17	50	10
50	10	60	0
60	0	70	0
70	0	80	0
80	0	90	0
90	0	100	0
100	0	110	0
110	0	120	0
120	0	130	0
130	0	140	0
140	0	150	0
150	0	160	0
160	0	170	0
170	0	180	0
180	0	190	0
190	0	200	0
200	0	210	0
210	0	220	0
220	0	230	0
230	0	240	0
240	0	250	0
250	0	260	0
260	0	270	0
270	0	280	0
280	0	290	0
290	0	300	0
300	0	310	0
310	0	320	0
320	0	330	0
330	0	340	0
340	0	350	0
350	0	360	0
360	0	370	0
370	0	380	0
380	0	390	0
390	0	400	0
400	0	410	0
410	0	420	0
420	0	430	0
430	0	440	0
440	0	450	0
450	0	460	0
460	0	470	0
470	0	480	0
480	0	490	0
490	0	500	0
500	0	510	0
510	0	520	0
520	0	530	0
530	0	540	0
540	0	550	0
550	0	560	0
560	0	570	0
570	0	580	0
580	0	590	0
590	0	600	0
600	0	610	0
610	0	620	0
620	0	630	0
630	0	640	0
640	0	650	0
650	0	660	0
660	0	670	0
670	0	680	0
680	0	690	0
690	0	700	0
700	0	710	0
710	0	720	0
720	0	730	0
730	0	740	0
740	0	750	0
750	0	760	0
760	0	770	0
770	0	780	0
780	0	790	0
790	0	800	0
800	0	810	0
810	0	820	0
820	0	830	0
830	0	840	0
840	0	850	0
850	0	860	0
860	0	870	0
870	0	880	0
880	0	890	0
890	0	900	0
900	0	910	0
910	0	920	0
920	0	930	0
930	0	940	0
940	0	950	0
950	0	960	0
960	0	970	0
970	0	980	0
980	0	990	0
990	0	1000	0

QSS: On site question by [REDACTED] of [REDACTED] to [REDACTED] which is

the same as [REDACTED] SSS 343377

Photo's 3433-3535. Fib (64), point up - 100

No. Fibre samples taken. Width = 10

#	Depth (m)	Vol (%)	#	Depth (m)	Vol (%)
1	6	11	6	11	11
2	7	11	7	12	11
3	13	11	8	17	11
4	18	11	9	21	11
5	24	11	10	25	11
6	28	11	11	31	11
7	32	11	12	34	11
8	36	11	13	38	11
9	41	11	14	43	11
10	46	11	15	48	11
11	51	11	16	53	11
12	56	11	17	58	11
13	61	11	18	63	11
14	66	11	19	68	11
15	71	11	20	73	11
16	76	11	21	78	11
17	81	11	22	83	11
18	86	11	23	88	11
19	91	11	24	93	11
20	96	11	25	98	11

View sample same SSS 343377

depths & water column 1000

water column 1000

Notes: Specific question concerning the "A" sample was submitted by [REDACTED] on 29/5/80.

Mr. [REDACTED] asked the following:

1) What does the term "real" indicate?

2) What does "sample" mean? (What is the difference between a sample and a real sample?)

3) How does he know that the sample is a real sample?

4) What does "real" sample usually contain?

5) What does "real" sample usually contain?

6) What does "real" sample usually contain?

7) What does "real" sample usually contain?

8) What does "real" sample usually contain?

9) What does "real" sample usually contain?

10) What does "real" sample usually contain?

11) What does "real" sample usually contain?

12) What does "real" sample usually contain?

13) What does "real" sample usually contain?

14) What does "real" sample usually contain?

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80) What does "real" sample usually contain?

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89) What does "real" sample usually contain?

90) What does "real" sample usually contain?

91) What does "real" sample usually contain?

92) What does "real" sample usually contain?

93) What does "real" sample usually contain?

94) What does "real" sample usually contain?

95) What does "real" sample usually contain?

96) What does "real" sample usually contain?

97) What does "real" sample usually contain?

98) What does "real" sample usually contain?

99) What does "real" sample usually contain?

100) What does "real" sample usually contain?

38

Location: T.R.W.  
Date: 4/26/07

## Project / Client: Specific Sampling

Location: T.R.W.

Project / Client: Specific Sampling

Date: 4/26/07

0940 - In site RS-281 to do synoptic survey at City of Rogers WWT. Cross 8th and Chalk Lick Rd. Water Discret, SS'F, straight channel of canal. Conductrs: (36.30225, -94.20738) 16 ft. 6945 - Begin walking downstream - approx 0.5 miles to point "A" and P samples - (36.30153, -94.21066) 13ft. Photos - 3272, 3273 down/up

(1045) - Flow measurements collected: W.L.D.H. = 36'

#	Depth (ft)	Velocity (ft/s)	Width (ft)	Velocity (ft/s)
1	.2	.38	6	.8
2	.4	.33	7	.8
3	.4	.96	8	.7
4	.5	1.45	9	.5
5	.4	1.41	10	.9

(1045) - Sample line [SN-OSB1-UP2-19] 2x125m

collected with 3 grid composite method

1100 - 14 min SN-OSB1-UP2

1045 - Close SN-OSB1 - DS1 to tape and collect P

\* Site approx 100yds from discharge point

\* Measurable increase in volume & color

\* Conductrs: (36.30261, -94.21778) 10 ft

\* Sample line [SN-OSB1-DS1-A] 2x125m

collected with 3 grid composite stream

pp

#	Stream Flow measured	Width = 43.5	Velocity (ft/s)	Velocity (ft/s)
1	W.L.D.H.	Width (ft)	Width (ft)	Velocity (ft/s)
2	.4	.05	7	.9
3	.4	.08	8	.8
4	.3	.19	9	.7
5	.8	.85	10	.6
6	.8	.23	11	.3
7	.8	.53	12	.2
8	.8	.33	13	.15
Photos:	3271, 3272, 3273			
1045 - Close SN-OSB1-UP2				
Site to 10 min by 6 bucket flow estimate				
Discharge point. (36.30227, -94.21630) 10ft				
1105 - Sample line [SN-OSB1-TP-A] 2x125m				
Photos 3281, 3282 down/up distance measured				
Site - at site SN-OSB1-UP1 6 ft flow measured				
and sample: Approx 100 yds away of outlet (1).				
Conductrs: (36.30255, -94.21543) 16 ft				
Photos: 3283, 3284 Down/up - Net				
1125 - Sample line [SN-OSB1-UP1-A] 2x125m				
Collected with 3 grid composite method				
Site has 3 grids, each with 3 locations				
over				

40

Prairie Monk Society

02 11/26/01

Loring Park

Projected Synoptic Survey

#	Sample No.	Date Collected	Location
1	02/01	11/26/01	Washburn Rd
2	02/02	11/26/01	Washburn Rd
3	02/03	11/26/01	Washburn Rd
4	02/04	11/26/01	Washburn Rd
5	02/05	11/26/01	Washburn Rd

1146 Prairie Monk Society, 11/26/01, Washburn Rd

MS Sample # 1146, 11/26/01, Washburn Rd, 11/26/01, Prairie Monk Society

1147 Prairie Monk Society, 11/26/01, Washburn Rd, 11/26/01, Prairie Monk Society

1148 Prairie Monk Society, 11/26/01, Washburn Rd,

1149 Prairie Monk Society, 11/26/01, Washburn Rd, 11/26/01, Prairie Monk Society

1150 Prairie Monk Society, 11/26/01, Washburn Rd, 11/26/01, Prairie Monk Society

1151 Prairie Monk Society, 11/26/01, Washburn Rd, 11/26/01, Prairie Monk Society

1152 Prairie Monk Society

1153 Prairie Monk Society, 11/26/01, Washburn Rd, 11/26/01, Prairie Monk Society

1154 Prairie Monk Society, 11/26/01, Washburn Rd, 11/26/01, Prairie Monk Society

1155 Prairie Monk Society, 11/26/01, Washburn Rd, 11/26/01, Prairie Monk Society

#	Sample No.	Date Collected	MS Stream Flow measurements : Washburn Rd			
			Q40 ft³/sec	Q50 ft³/sec	Q60 ft³/sec	Q70 ft³/sec
1	02/01	11/26/01	0.55	1.18	2.15	3.55
2	02/02	11/26/01	0.65	1.47	2.3	3.55
3	02/03	11/26/01	0.71	1.68	2.4	3.3
4	02/04	11/26/01	0.72	1.68	2.54	3.4
5	02/05	11/26/01	0.73	1.71	2.65	3.5

# of velocity readings collected

MS Sample No. 1146: 21

MS Sample No. 1147: 21

MS Sample No. 1148: 21

MS Sample No. 1149: 21

MS Sample No. 1150: 21

MS Sample No. 1151: 21

MS Sample No. 1152: 21

MS Sample No. 1153: 21

MS Sample No. 1154: 21

MS Sample No. 1155: 21

20

42 Factor 2 P.U. Date 4/26/07

Proposed Offsite Sample Survey

43

Date 5-1-07  
Offsite Site Intensive / Full Scale Sampling.

1515. On site RS-421. Flint creek to collect water samples for intensive data set. Site not designated for full suite.  
 Crew: Brian Bennett, Jeremy Burbridge & Weather: Overcast 70°F, chance of rain  
 Coordinates: (36.19433 - 94.70627) 93°F  
 [1420] - Sample time [RS-421-050107a]  
 1 x 1 L, 1 x 125ml P, Same old bacteria.  
 Bacteria collected in 2 x 250ml sterile vials off site RS-421 (central suite) A

1525. On site RS-902. Flint creek to collect water samples. Full suite at this site.  
 [1435] - Sample time [RS-902-050107a]  
 2 x 1 gallon, 1 x 125ml, 2 x 250ml sterile coordinates: (36.21440, -94.66521) 56.6

1545. Offsite RS-902.

1550. On site RS-901 (BS HFS04) to collect full suite water samples  
 [1551] Sample time [RS-HF04-050107a]  
 2 x 4 gallon, 1 x 125ml P, 2 x 250ml sterile coordinates: (36.20125, -94.60505) 60.4

1555. Offsite BS-HF04

1556. On site RS-751 to collect full suite water samples

11/14/05 10:00 AM - Date 8/1/01  
Location: Arkansas / Full Site.

Location: Fresh

representative water sample

Date: 8/1/01

Location: Fresh

representative water sample

(S5) Sample from PS 151-050001  
- 2nd bottom, 2' above bottom, 1' below  
Groundwater: Shallow, sandy soil  
Depth: 1 ft. A.D. 8/1/01

Water sample PS 740 to collect full site water samples  
from surface to 1' below groundwater.

2. Water, 1' above bottom, 1' below groundwater  
(samples 351501, 050001) at 1'  
Water sample PS 740

PS 740 PS 740 was collected  
full site water sample  
from surface to 1' below groundwater.

PS 740 Sample from PS 151-050001  
2nd bottom, 2' above bottom, 1' below  
Groundwater: Shallow, sandy soil

PS 740 collection was now

PS 740 PS 740 to collect full site water  
from surface PS 151-050001  
2nd bottom, 2' above bottom, 1' below  
Groundwater: Shallow, sandy soil

PS 740 PS 740 to collect full site water samples  
from surface PS 151-050001  
2nd bottom, 2' above bottom, 1' below  
Groundwater: Shallow, sandy soil

PS 740 PS 740 to collect full site water samples  
from surface PS 151-050001  
2nd bottom, 2' above bottom, 1' below  
Groundwater: Shallow, sandy soil

1740 On site RD 6200 to collect water sample.

Water samples  
(PS 151501, 050001) 15 ft  
from bottom (Shallow, sandy soil)

1745 Sample from PS 151-050001  
2. Bottom 2' above bottom, 1' below  
groundwater

PS 151-050001 PS 742 to collect water sample  
from surface PS 151-050001

PS 151-050001 PS 742 to collect water sample  
from surface PS 151-050001

PS 151-050001 PS 742. Need to collect  
to pack containers, complete COCO and  
prepare for shipment.

PS 151-050001 PS 742

PS 151-050001 PS 742 to collect full site water  
from surface PS 151-050001  
2nd bottom, 2' above bottom, 1' below  
Groundwater: Shallow, sandy soil

PS 151-050001 PS 742 to collect full site water samples  
from surface PS 151-050001  
2nd bottom, 2' above bottom, 1' below  
Groundwater: Shallow, sandy soil

PS 151-050001 PS 742 to collect full site water samples  
from surface PS 151-050001  
2nd bottom, 2' above bottom, 1' below  
Groundwater: Shallow, sandy soil